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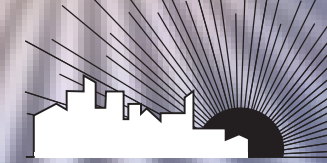
COE AND COMPANY
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Return Address:
Westcon
405 Phillips Drive
Penngrove, CA
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EXHIBITORS WILL BE ON HAND TO DISCUSS THE
LATEST MATERIALS AND TECHNIQUES IN FLASHING.

ADDITIONAL SPONSORS AND EXHIBITORS WELCOME!
Contact WESTCON
(707) 792-1323 or info@westcon.org



WESTCON

WESTERN CONSTRUCTION CONSULTANTS ASSOCIATION

PRESENTS

SHEET METAL FLASHING

A SYMPOSIUM ON
SHEET METAL FLASHING
IN WALL AND ROOF ASSEMBLIES.

NOVEMBER 16, 2010
GOLDEN GATE FIELDS
BERKELEY, CA

SPEAKERS

Robert Bateman - Staff consultant, Simpson Gumpertz & Heger, Inc.. A licensed architect in California, Washington & Nevada. Qualified as a licensed general contractor and an ICC-certified Building Inspector and Plans Examiner.

Tom Butt - President, Interactive Resources, a licensed architect and general contractor with over 35 years in the industry, member of Westcon and a Fellow of the American Institute of Architects.

Don Dennehy - Vice President, Crown Sheet Metal & Skylights. Past president of the Bay Area SMACNA Chapter; member of the Bay Area SMACNA Board of Directors; member of the San Mateo Advisory Committee to the Bay Area SMACNA Chapter; member of National SMANCA's Architectural Steering Committee.

Mike Ennis - Technical Director, Single Ply Roofing Industry. A Registered Roof Consultant with RCI and Chairman of the Board of Directors of the Roofing Industry Committee on Weather Issues and Vice Chairman of Cool Roof Rating Council.

Joseph Garcia - Architect and principal, Richard Avelar & Associates. He is responsible for providing architectural services relating to design and reconstruction of residential and commercial projects.

Eli P. Howard - Executive Director SMACNA (Sheet Metal and Air Conditioning Contractors' National Association), Technical Services, he has the overall responsibilities of the more than 30+ SMACNA Technical and ANSI Standards related to the HVAC and Sheet Metal Industry. A member of ASHRAE Technical Committee's: 7.7 Testing & Balancing 5.2 Duct Design SSPC 62.1 Ventilation for Acceptable IAQ — Educational Subcommittee Chair TG3 Design Build.

Michael Huston - Sheet Metal Operations Manager, Richard Avelar & Associates Reconstruction Services. Mr. Huston is responsible for specialty sheet metal fabrication and waterproof flashing installation and assists architects in forensic consulting as a trade expert.

Bill Koltoff - President and Founder, Architectural Sheet Metal Corporation, a founding member of Westcon and a member and Past President of SMACNA. He was appointed as an Industry Expert of the Contractor's State License Board in the Industry Expert Program of the Department of Consumer Affairs.

Chris Nelson - Senior Consultant, Technical Roof Services Inc, with 33 years of experience in the construction industry. His work includes recommending corrective solutions and preparation of detail drawings and specifications, and providing solutions to on-site problems. Westcon President and Symposium Chairman.

Russ Raymond - a project manager, French Engineering, LLC of Houston, Texas, has been employed within the roofing industry for over twenty years. He is a Registered Roof Consultant, Registered Roof Observer, Construction Documents Technologist, and Accredited Green Roof Professional.

DETAILS

Tuesday, November 16, 2010
Golden Gate Fields, Turf Club
1100 Eastshore Highway, Berkeley, CA 94710
Registration - 7:30 am to 8:00 am
Program - 8:00 am to 5:00 pm

A SOCIAL HOUR WITH REFRESHMENTS WILL FOLLOW
THE EVENT WHERE ATTENDEES MAY DISCUSS THE DAY'S
EVENT.

Complimentary Continental Breakfast, Lunch
and Afternoon Snacks will be provided

COST

	MEMBERS	NON-MEMBERS
Prior to Sept. 15	\$225	\$250
Sept. 15 - Oct. 31	\$250	\$275
After Oct. 31st	\$275	\$300

RECEIVE \$25 OFF FOR ADDITIONAL REGISTRANTS.
(AT TIME OF PURCHASE ONLY.)

MEMBERSHIP SPECIAL

Join Westcon in 2010 and attend the symposium for a
special rate of \$425 - a savings of \$150* (offer expires
September 30, 2010)

*Application subject to approval by Board of Directors

All attendees receive a binder of power points suitable as a
valuable future reference guide. Program materials can be
purchased on CD or in print for those that cannot attend.

PDF of PowerPoint presentation - \$50
Additional Binder materials - \$20
(Available after November 16th)

TO REGISTER

By Mail: 405 Phillips Drive,
Penn Grove, CA 94951

By Phone: (707) 792-1323

By Email: info@westcon.org

Internet: www.westcon.org. with PayPal

General Directions:

Golden Gate Fields is off Interstate 80, along the Bay in the City of Albany, 8
miles from downtown Oakland and 11 miles from San Francisco. Take 'Gilman
Street' or 'City of Albany' exit. If you would like a map faxed to you, call Westcon
at (707) 792-1323, or go to www.goldengatefields.com/directions/

AGENDA

• CODE REQUIREMENTS & STANDARDS

Basic CBC and IBC requirements, Optional Standards,
Sheet Metal Flashing Basics – Water Holding vs. Water
Shedding, Accommodating Movement in Field and Lap Joints,
Recognizing the Consequences of Metal Movement, NRCA
Recommendations, Sealing Corners and Transitions.

• SMACNA APPENDIX B: ATTRIBUTES AND LIMITATIONS OF DIFFERENT TYPES OF SHEET METAL

Sheet Metal types and gauge selection, SMACNA
Recommendations for Stiffness, Flexibility and Formability,
Finishes and Finish types, Kyna Hylar, Anodizing, and Others.

• SEALING, SOLDERING & WELDING

How Solder Bonds, Mechanical Attachment With Soldering,
Corners and Transitions, Heating, Welding, Joint Design,
Moving Joints, SMACNA Soldering Certification Program,
Sealant and Sealant Adhesion Testing.

• FIELD JOINTS

Accommodating Movement in Field Joints, SMACNA Spacing,
Review of Joint Designs, Under and Over Plates, Joint
Selection, Standing Seams, Drive Cleats, Bayonet Interlocked
Hems, Lap Joints.

• WIND RESISTANCE OF EDGE METAL IN ROOFING ANSI/SPRI ES-1

ES-1 is a new code requirement. Wind Up-Lift Forces & the
effects on roof edges, Tested Edge Flashings are now required,
Securing Nailers, Membrane attachment, Pre-Manufactured
and Shop Systems, Licensed Fabrication.

• SHEET METAL FLASHING IN LOW SLOPED ROOFING AND DECK WATERPROOFING

Using NRCA and WSCRA as Design Guides, Integrating
Low Sloped Roofing into Different Membranes, Eave Edge
Flashing, Rake Edge Flashing, Confined Rake Flashing,
Confined Ridge, Deck Waterproofing, Scupper integration.

• SHEET METAL FLASHING IN STEEP SLOPED ROOFING

Using SMACNA, NRCA, AMRA, TRI etc. as Design Guides,
Compliance with ICC reports, Integrating Steep Sloped
Roofing into Different Membranes, Eave Edge Flashing, Rake
Edge Flashing, Confined Rake Flashing, Confined Ridge
Flashing, Valley Flashing Penetration Flashing, Louver Vent
Flashing.

• GUTTERS

Explanation of Internal / External Gutters, Good Practice, Profile
Design and Options, Approaches to Movement Considerations
and Expansion Joints, Sizing Width to Depth Ratios, Designing
Fronts Lower Than Back, Considerations for Underlayment of
Internal Gutters.

• WALL FLASHINGS

Counter Flashing of Roofing and Waterproofing Base
Flashings, Reglets and Counter Flashing, Windows
and Doors, Misc. Wall Penetrations, Plumbing Pipes,
Electrical Systems, Horizontal Wall Offsets, Building
Expansion Joints

• FLASHING DETAILS IN PROJECT DOCUMENTS

Code Requirements, What is Taught vs. What is Learned After
the Fact, Hazards of Detailing Left to Bidders, Appropriate
Level of Detailing, When to Ask for Help, Benefits of Mock-
ups with other Trades, Shop Drawing Review, Water Testing
during Installation

• CHALLENGES FOR RECONSTRUCTION ARCHITECT AND CONTRACTOR

Complications of Dealing with Existing Structures, Architect/
Contractor Relationship, Quality Control, Defining Scope of
Work from a Rough Order of Magnitude Estimate, Evaluating
Constructability, Cost and Performance, Resolving Complex
Flashing Challenges, Case Study Reviews and Photographs
of Actual Reconstruction Challenges, Design and Installation
Check List for Sheet Metal Flashing, Design Considerations,
Fabrication / Installation

• SOCIAL HOUR - QUESTIONS AND COMMENTS

Directly following the event, there will be an opportunity to ask
questions of the speakers and discuss the program with fellow
industry members.

Continuing Education Credit:

MCLE credits will be available for 7 hours of MCLE learning
credit hours.

This event qualifies for 7 RCI CEHs.

AIA Self Reporting Forms will be available at the check in table.

Attendance certificates issued at completion of event.

REGISTRATION FORM

Name: _____

Additional Attendees:

Firm Name: _____

Address: _____

Phone: () _____

Email: _____

MEMBERSHIP SPECIAL - \$425
(Please attach membership application and CV)

First Attendee Cost: _____

Additional Attendees: _____

TOTAL: _____

**Payment by PayPal at www.westcon.org. Make
checks payable to Westcon, mail to 405 Phillips Drive,
Penn Grove, CA 94951.**

**Note: Reservations postmarked after October 31, 2010
are not eligible for the early registration price.**

**Refund Policy: For full refund, cancellations must
be received by October 31, 2010.**